

What is claimed is:

1. An AC type plasma display panel comprising:
  - a first substrate having first electrodes and a dielectric layer covering said first electrodes;
  - a second substrate arranged in an opposed relation to said first substrate to form a discharge space therebetween;
  - discharge gas filled in said discharge space;
  - second electrodes formed on said second substrate, each said second electrode having a plurality of openings each having a size included by a rectangular area having length of one of two sides thereof in a range from a value equal to or larger than 5 $\mu$ m to a value smaller than 30 $\mu$ m; and
  - a dielectric layer covering said second electrodes.
2. An AC type plasma display panel as claimed in claim 1, wherein each said opening has a width in a range from a value equal to or larger than 5 $\mu$ m to a value smaller than 30 $\mu$ m and has a strip-shaped configuration.
3. An AC type plasma display panel as claimed in claim 1, wherein each said opening has a configuration including a combination of a plurality of openings having different configurations.
4. An AC type plasma display panel as claimed in claim 1, wherein a length of either one of the two sides of each said opening is in a range from 0.2 times to 1.8 times a thickness of said dielectric layer.

5. An AC type plasma display panel as claimed in claim 2, wherein a width of said strip-shaped opening is in a range from 0.2 times to 1.8 times a thickness of said dielectric layer.

6. An AC type plasma display panel as claimed in claim 3, wherein a length of a shorter side of said opening is in a range from 0.2 times to 1.8 times a thickness of said dielectric layer.

7. An AC type plasma display panel as claimed in claim 1, wherein each said second electrode includes a pair of parallel electrodes to generate a surface-discharge, each said parallel electrode pair is constructed by a first area along a discharge gap formed between said pair of parallel electrodes and a second area other than said first area, said first area is 25 ~ 100 $\mu$ m wide and said openings are formed in only said second area.

8. An AC type plasma display panel as claimed in claim 1, wherein each said second electrode includes a pair of parallel electrodes to generate a surface-discharge, each said parallel electrode pair is constructed by a first area along a discharge gap formed between said pair of parallel electrodes and a second area other than said first area and a ratio of a total area of said openings formed in said first area to an area of said first area is smaller than a ratio of a total area of said openings formed in said second area to an area of said second area.

9. An AC type plasma display panel as claimed in claim 1,

wherein each said second electrode includes a pair of parallel electrodes to generate a surface-discharge, each said second electrode is constructed with a plurality of strip-shaped areas and the smaller the ratio of a total area of said openings formed in said strip-shaped area to an area of said strip-shaped area is the closer the strip-shaped area to the discharge gap.

10. An AC type plasma display panel as claimed in claim 7, wherein said openings are arranged in said second area in a row direction.

11. An AC type plasma display panel as claimed in claim 7, wherein said openings are arranged in said second area in a line direction.

12. An AC type plasma display panel as claimed in claim 1, wherein each said second electrode includes a pair of parallel electrodes to generate a surface-discharge, each said parallel electrode pair is constructed by a first area along a discharge gap and a second area other than said first area, said openings are arranged in said first area in a row direction and said openings are arranged in said second area in a line direction.

13. An AC type plasma display panel as claimed in claim 1, wherein a ratio of a total area of said openings formed in said second area to a sum of an area of said second electrode and the total area of said openings is in a range from 10% to 70%.